

DIMAX804KC Presentation Matrix

DEXON's All-in-One, 4K Matrix Switchers, 8x4



- > Matrix switch of 8x4
- > 4K inputs, 4K outputs
- > Up- and down-scaling
- > Seamless switching
- > Transition effects
- > PIP of 2 different inputs

Intelligent Matrix

DEXON Systems' DIMAX Matrix Switchers are vital components in demanding AV projects where different input signals must be switched to any or multiple outputs. They serve broadcast, digital signage or conference room applications that demand the best equipment in order to deliver a complete solution. DEXON Intelligent Matrix (DIMAX) provides perfect solution with smart features as quality scaling, transition effects and seamless switching. DIMAX Family offers superior design, excellent price/performance balance, brilliant video quality and high reliability tailored to challenging AV projects. Easy installation and usage is guaranteed by DEXON's intuitive man-machine interface.

Main Features

DIMAX804KC intelligent matrix is an all-in-one solution provided by a standalone box with the following features:

- Supports 8 HDMI inputs, up to 4K resolution
- Drives 4xHDMI and 4xHDBaseT 4K outputs
- High quality scaling up or scaling down of input signals
- Programmable seamless switching
- Attractive transition effects, cross fade switching
- PIP of two different input sources to any output
- Built-in media player
- Full HDCP support for input and output connections
- Embedded and separate analogue audio switching
- RS-232C and RJ45 LAN connectors for remote control
- HTML5 based, easy-to-use graphics user interface for configuration, layout management and scenario handling

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Main Features

Input Signals

- Digital HDMI with HDCP
- L, R audio

Input Signal Specification

HDMI 1.4, YUV 4:4:4, 4:2:2, HDCP 2.2
from 640x480 to 3840x2160 30Hz

Output Signals

- HDMI with HDCP
- L, R audio
- HDBaseT (mirrored to HDMI outputs)

Output Signal Specification

HDMI 1.4, YUV 4:4:4, 4:2:2, HDCP 2.2
from 640x480 to 3840x2160 30Hz
HDBaseT signal (Cat5/6 cable)

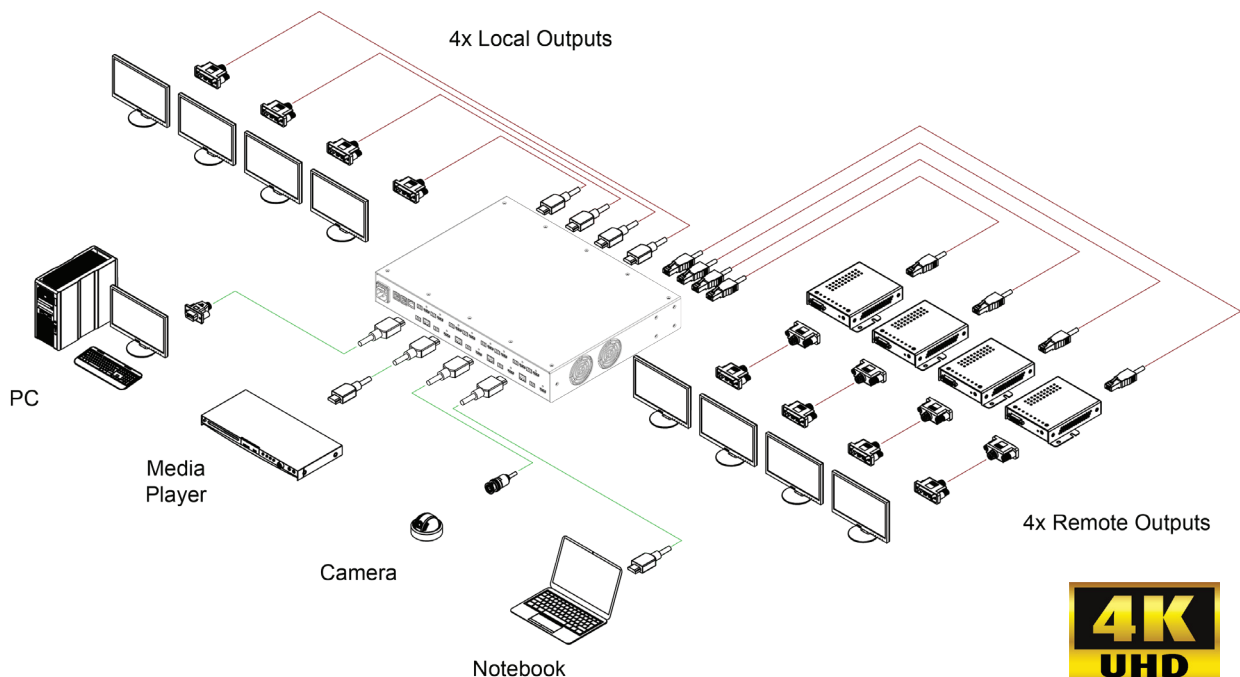
Audio Handling

R, L analogue audio inputs and outputs
Audio embedding and de-embedding

Setup and Configuration

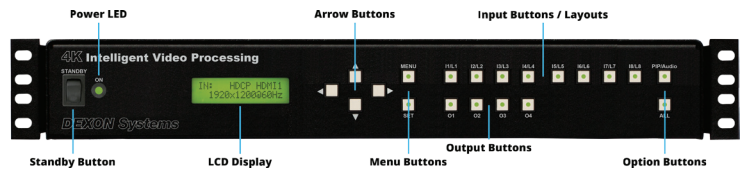
- Easy-to-use setup through push buttons and LCD panel
- LAN connection for remote setup
- RS-232C control

Application

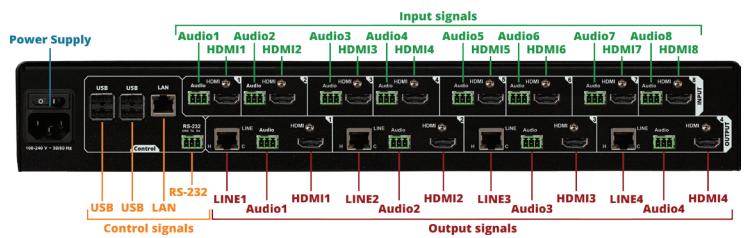


System Architecture

DIMAX804KC Front Panel



DIMAX804KC Back Panel



General

- Dimensions: 435 x 325 x 66 (mm)
- 19" rack-mountable enclosure

Models

	Input signals	Output signals
DIMAX804KC	8x HDMI with HDCP 8x Audio	4x HDMI with HDCP 4x RJ45: HDBaseT 4x Audio

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